

Federal Energy Management Program

FEMP Utility Services

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- * UESC Project Support
- Agency / Utility Partnerships
- * Renewable Project Support
- Design Assistance
- * Agency Energy Implementation Plans





UESC Project Support

Education

UESC Workshops

Agency Briefings

Utility Briefings

On-site team training

Communications

Web site

Enabling documents

Case studies





UESC Project Support

Direct Project Assistance

Project facilitation

Advise & Consult

In depth

Contract development

Technical Proposal review

Performance Verification





Agency / Utility Partnerships

Federal Utility Partnership Working Group

Strategic Partnering Meeting



Renewable Projects

- * Resource Screening:
 - PV
 - Solar Hot Water
 - Wind
 - Solar Ventilation Preheat
- * Renewable project financing
 - UESC
 - PPA



- Renewable Communities / Net Zero Energy plan
 - Economic evaluation of resources, what combination of resources will get the site to net zero





Resource Screening: Inputs

- * Site name
- * Address
- Longitude and latitude
- Number of occupants
- Square footage of buildings
- Utility use and cost for each fuel
- * Renewable resource information
- Serving utility and rates if not provided by sites



Resource Screening: Inputs

Incentives & Rebates

- * Approximated as either:
 - % reduction in system cost
 - \$/W or \$/m² reduction in system cost
 - \$/kWh production incentive
 - or a combination of the three



Screening Results

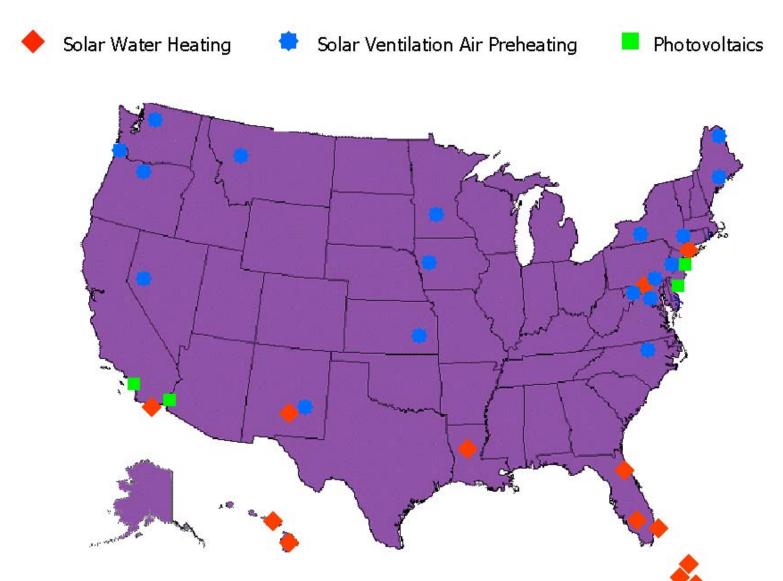
- * System size to match load or area available
- Cost of system with and without incentives
- Annual cost savings
- Savings-to-Investment Ratio
- Payback Period with and without incentives
- Maps/visual representations of data

This information is then used to prioritize a list of feasible project site





Summary of Cost Effective Solar Projects



Screening shows agency's sites worth considering further

Design Assistance

- * Energy Assessments
- Feasibility Studies
- Financing Strategies
- * Technical Specifications
- * Proposal reviews
- Design review
- * Acceptance testing
- * Procuring low-energy design



Agency Implementation Plans

Implementation plans for achieving goals for energy and water efficiency and renewable energy

- National plan
- Regional plan
- Renewable plan
- Sustainability plan



The End